

The graph illustrates the relationship between foil thickness and the fraction of energy escaping the foil. The x-axis represents foil thickness in mg/cm^2 on a logarithmic scale from 0 to 30. The y-axis represents the fraction of energy escaping the foil (one side) on a linear scale from 0.00 to 0.50. The curve shows that as the foil thickness increases, the fraction of energy escaping decreases, starting from approximately 0.41 at 0 mg/cm^2 and approaching 0.05 at 30 mg/cm^2 .

Foil thickness (mg/cm^2)	Fraction of energy escaping the foil (one side)
0	0.41
1	0.32
10	0.12
30	0.05

Figure 1.

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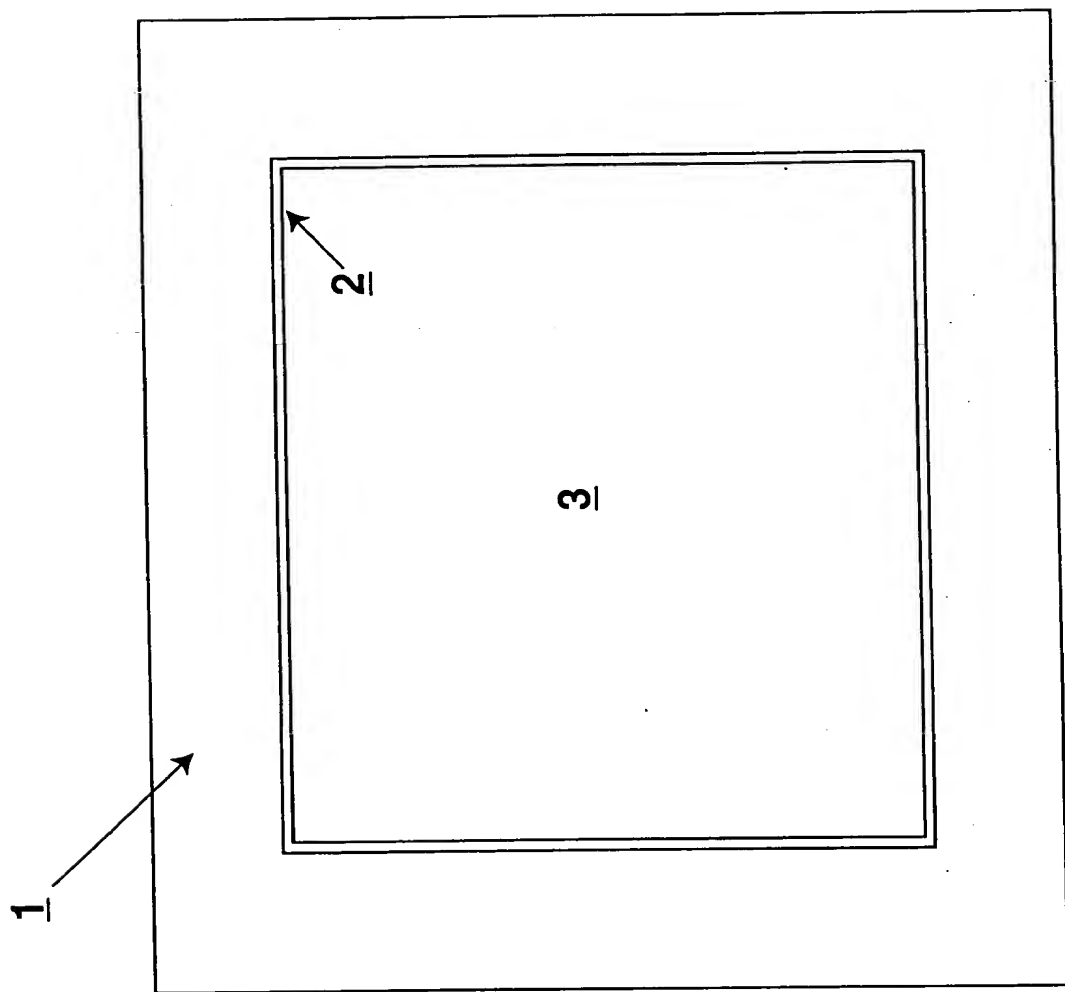


Figure 2

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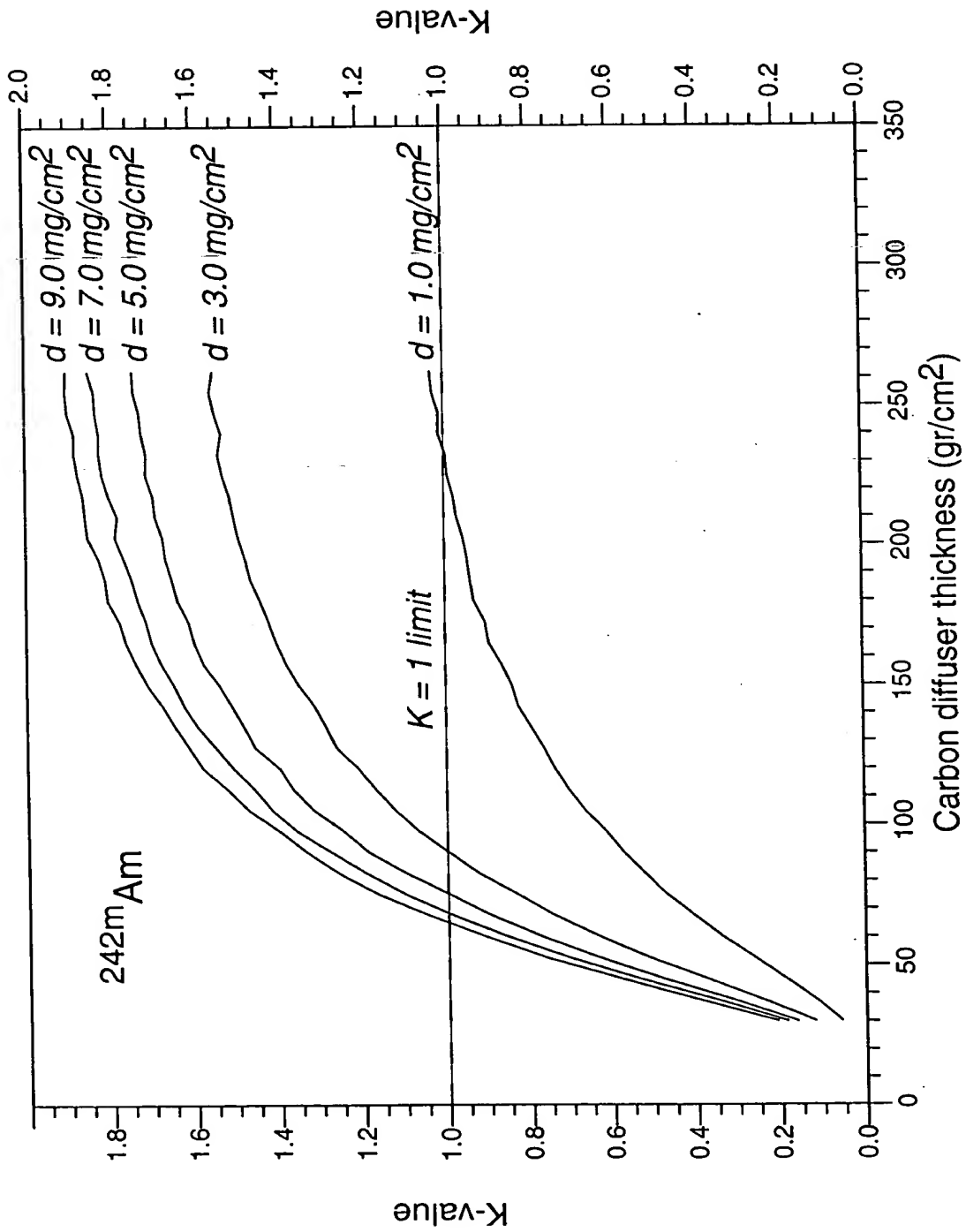


Figure 3

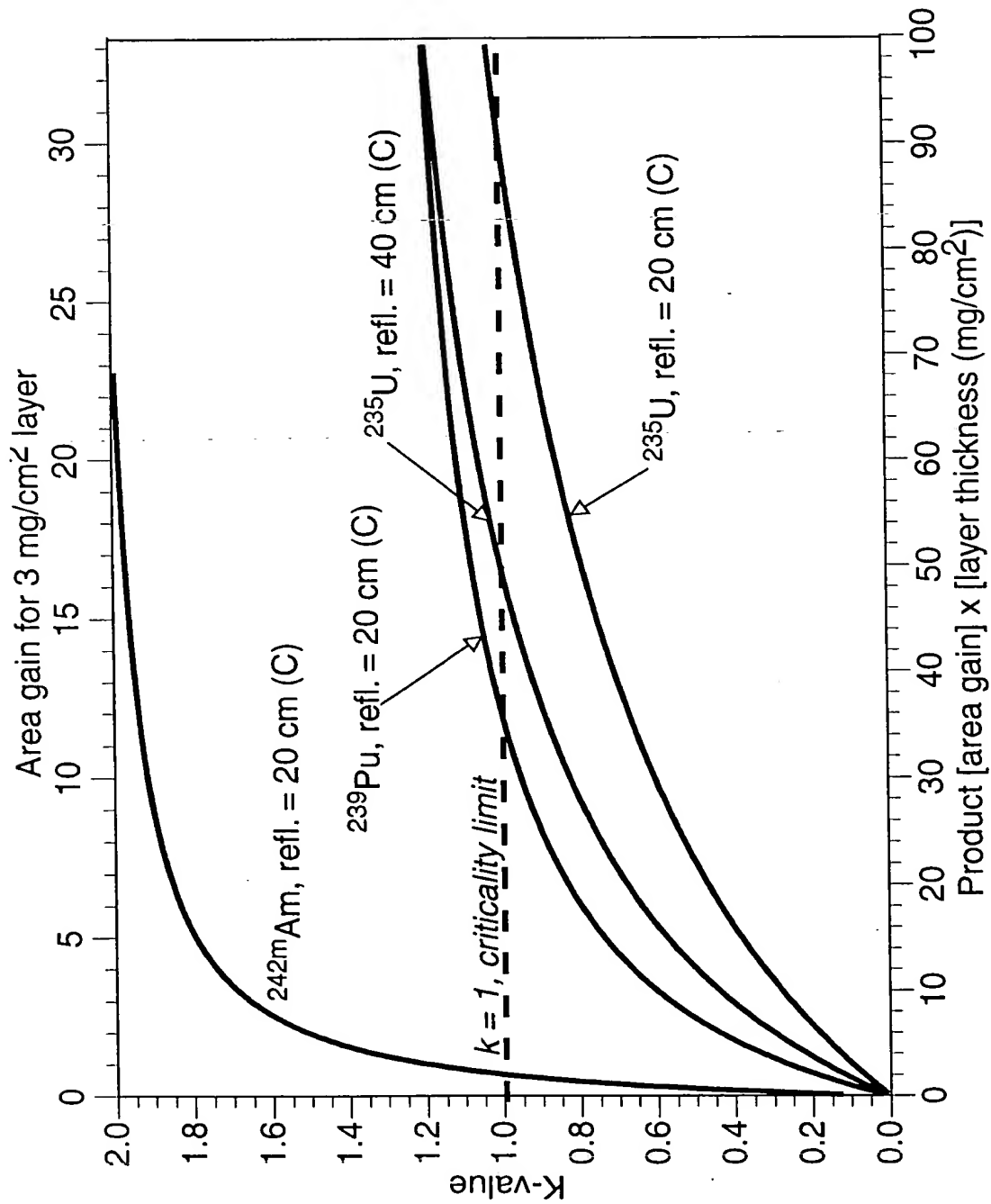


Figure 4.

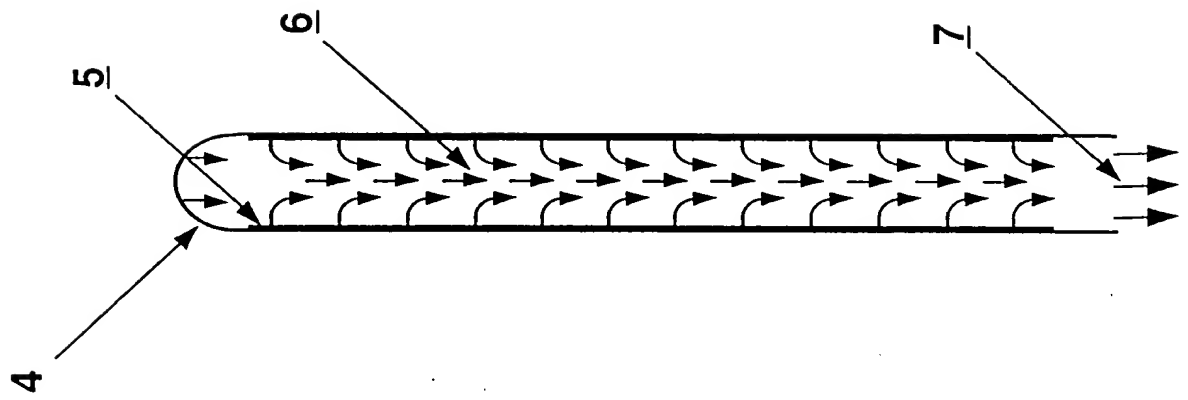


Figure 5.

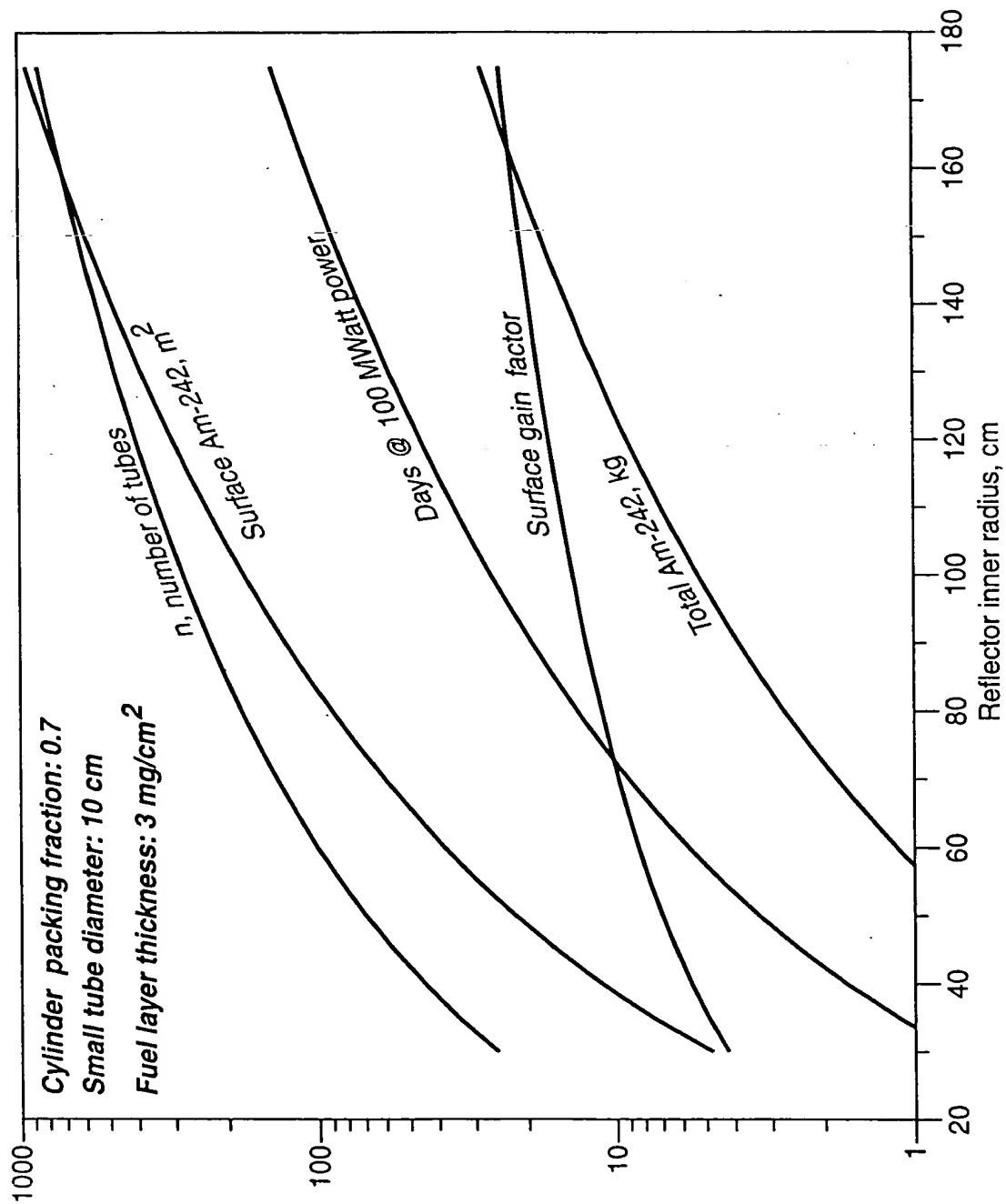


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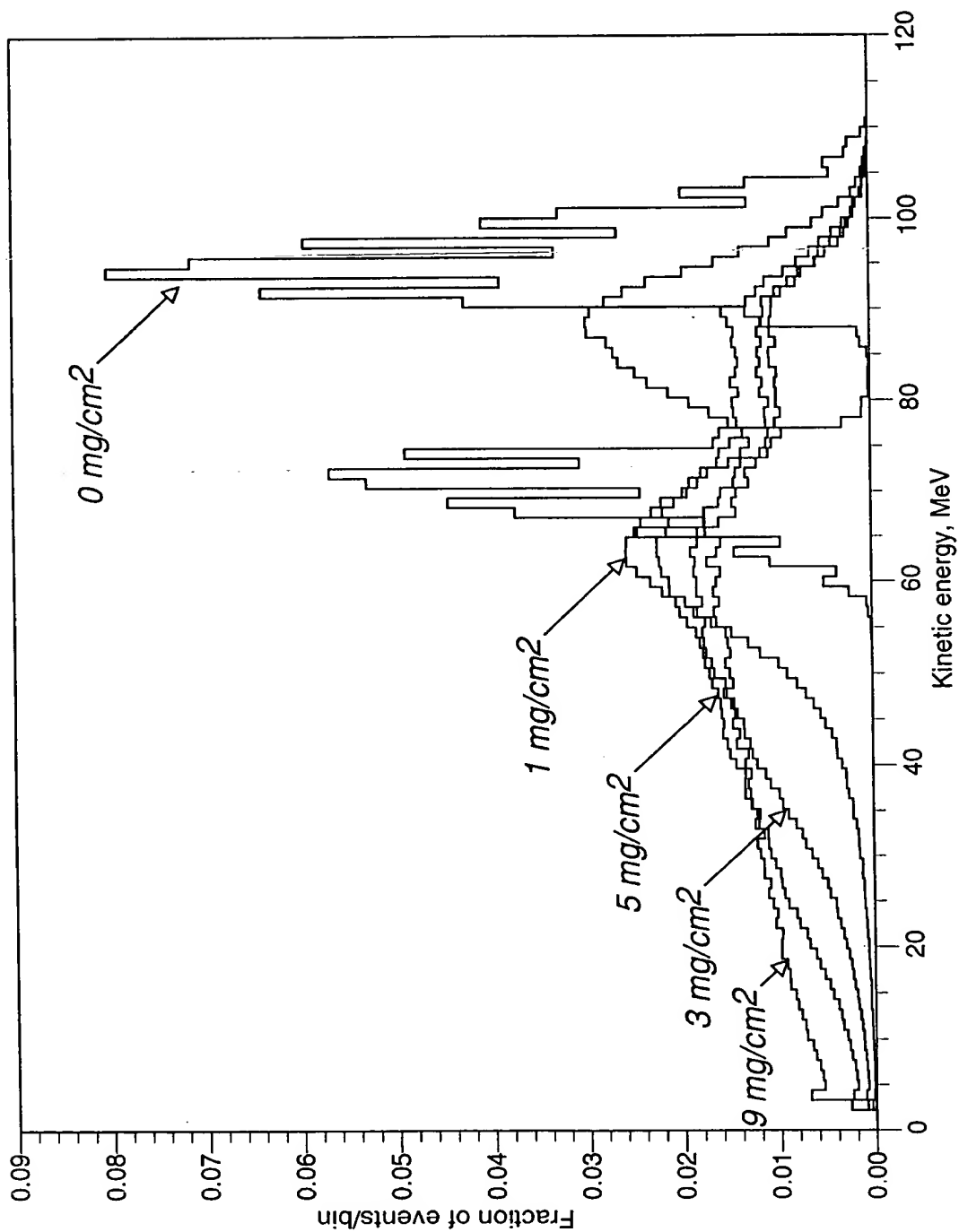
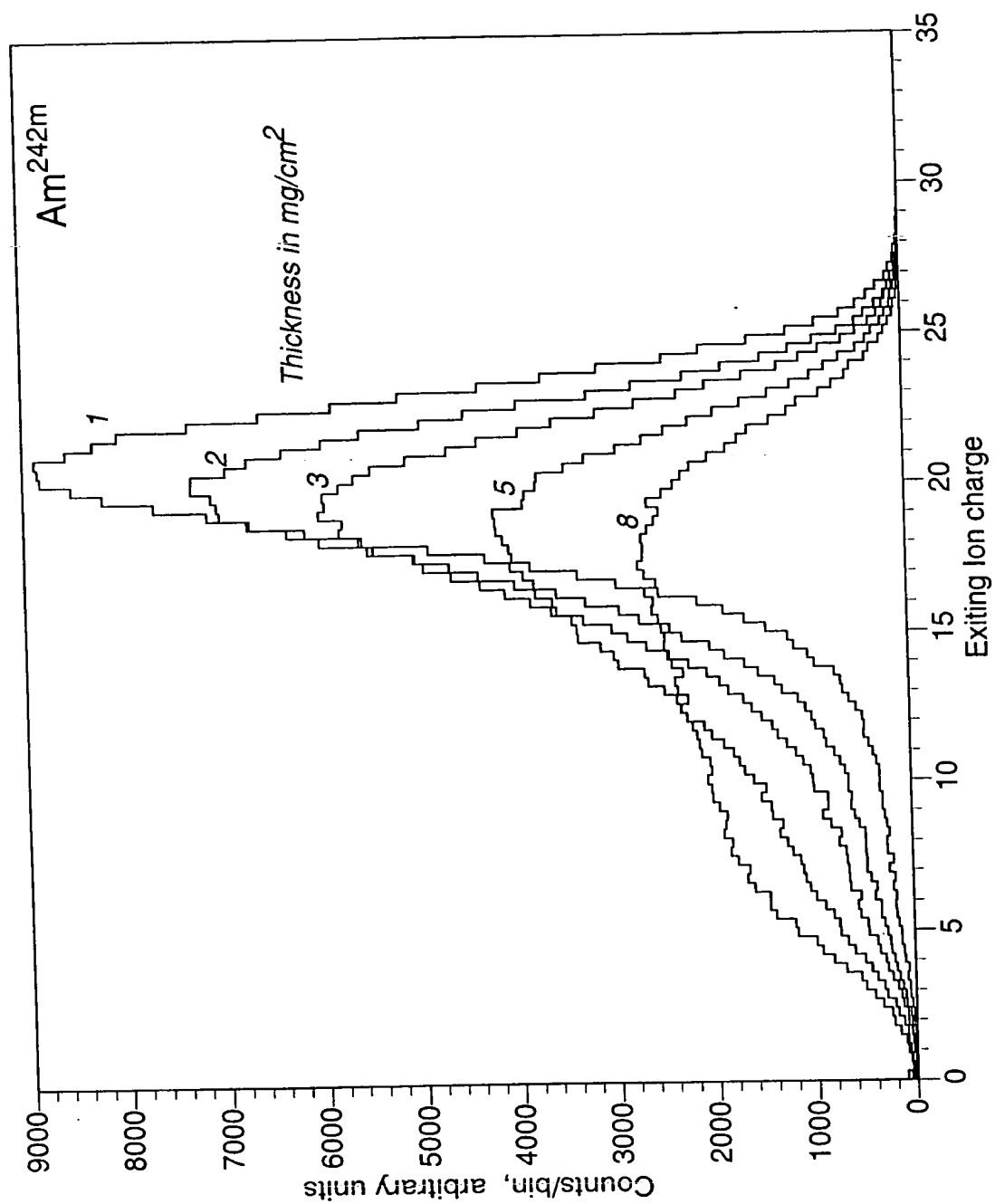


Figure 7

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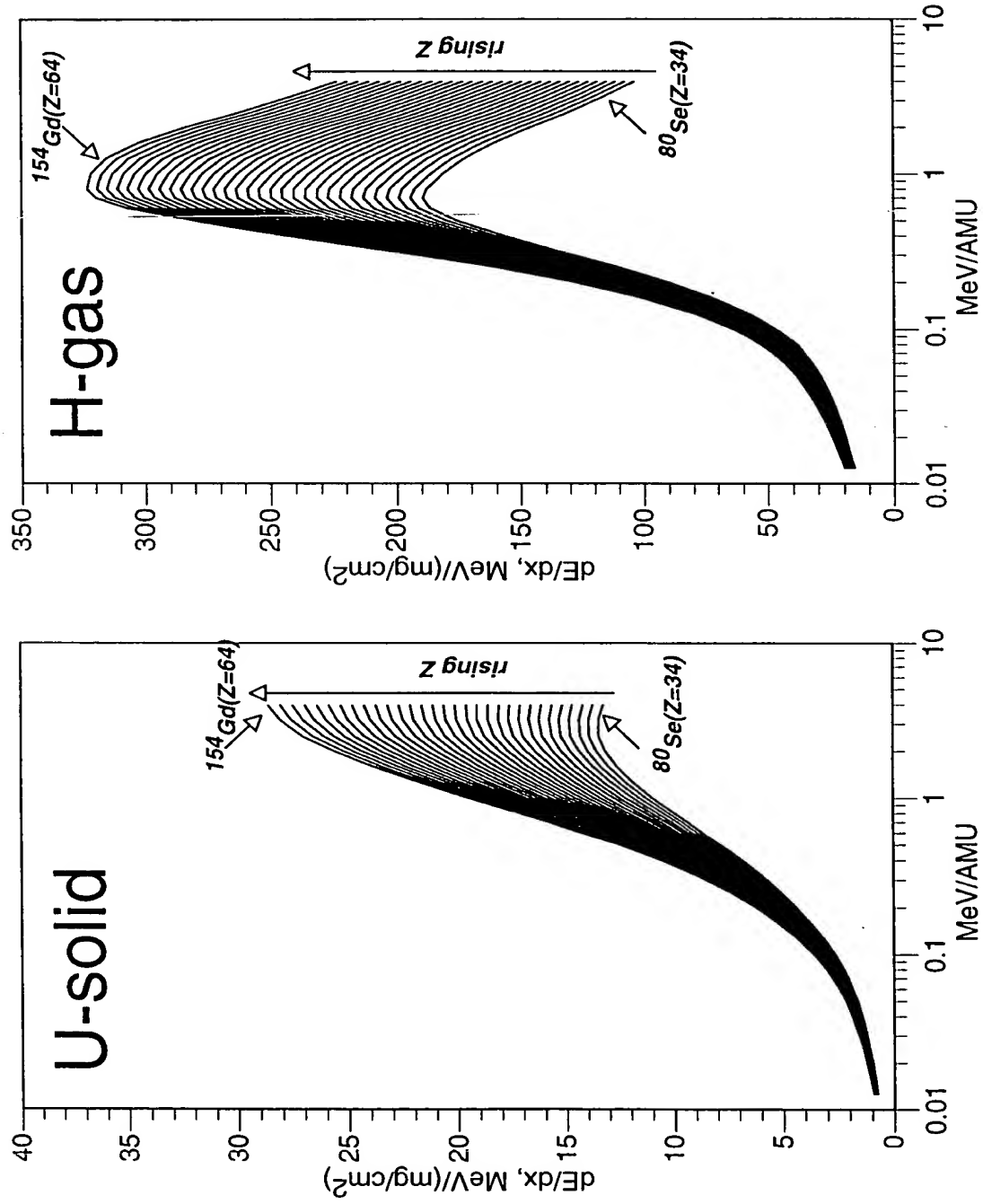
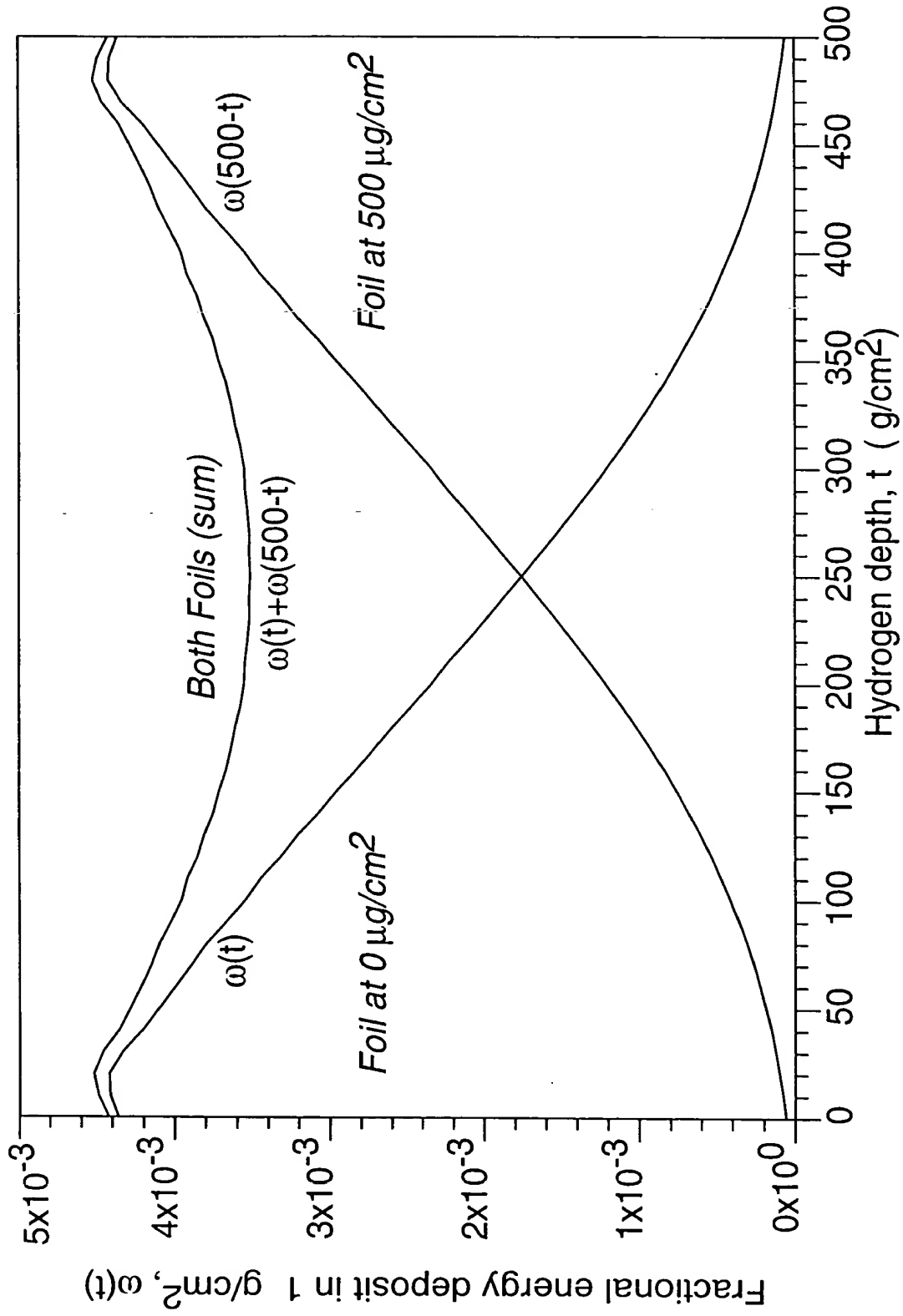


Figure 9

A line graph showing the relationship between fractional energy loss and hydrogen gas thickness for different foil thicknesses. The y-axis is labeled 'Fractional energy loss/0.01 mg/cm²' and ranges from 0 to 0.06. The x-axis is labeled 'Hydrogen gas thickness, mg/cm²' and ranges from 0 to 0.6. There are four curves, labeled 1, 3, 6, and 9, representing foil thicknesses of 1, 3, 6, and 9 mg/cm² respectively. The curves show that fractional energy loss increases with hydrogen gas thickness and decreases with increasing foil thickness. A vertical line is drawn at x = 0.1, and a horizontal line is drawn at y = 0.04, intersecting at the point (0.1, 0.04) on curve 1.

Figure 10.



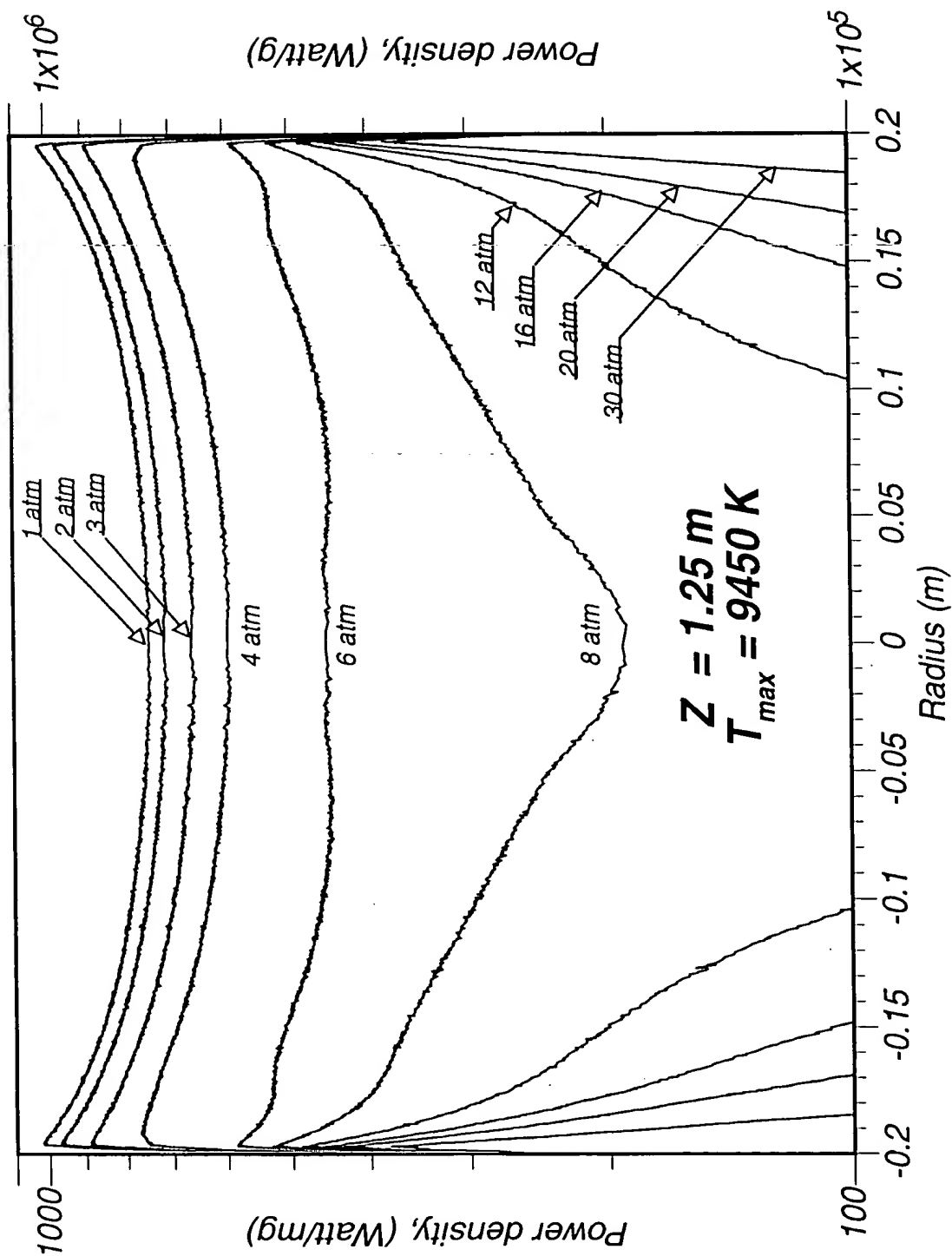
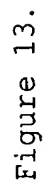


Figure 12.



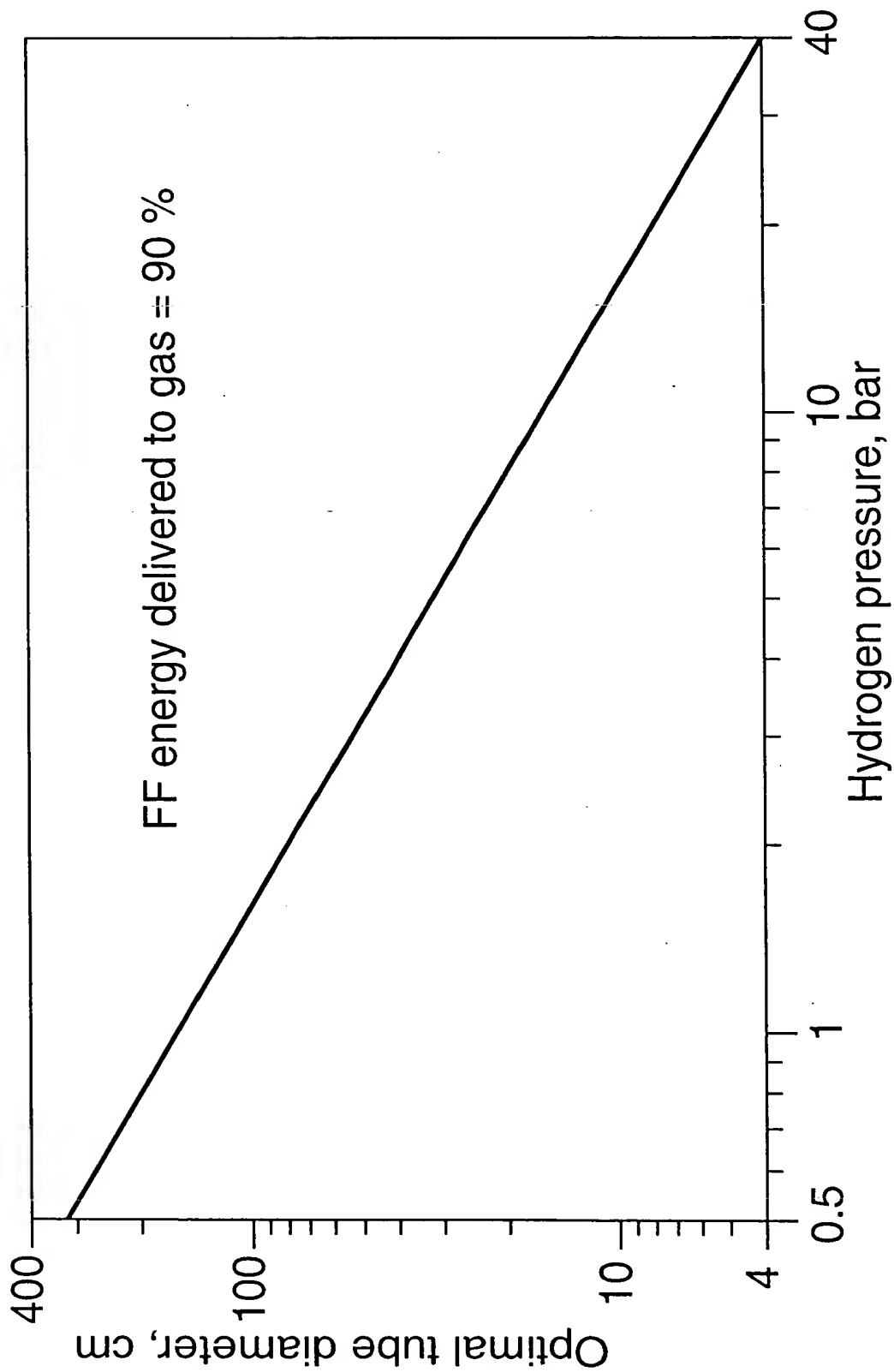


Figure 14.

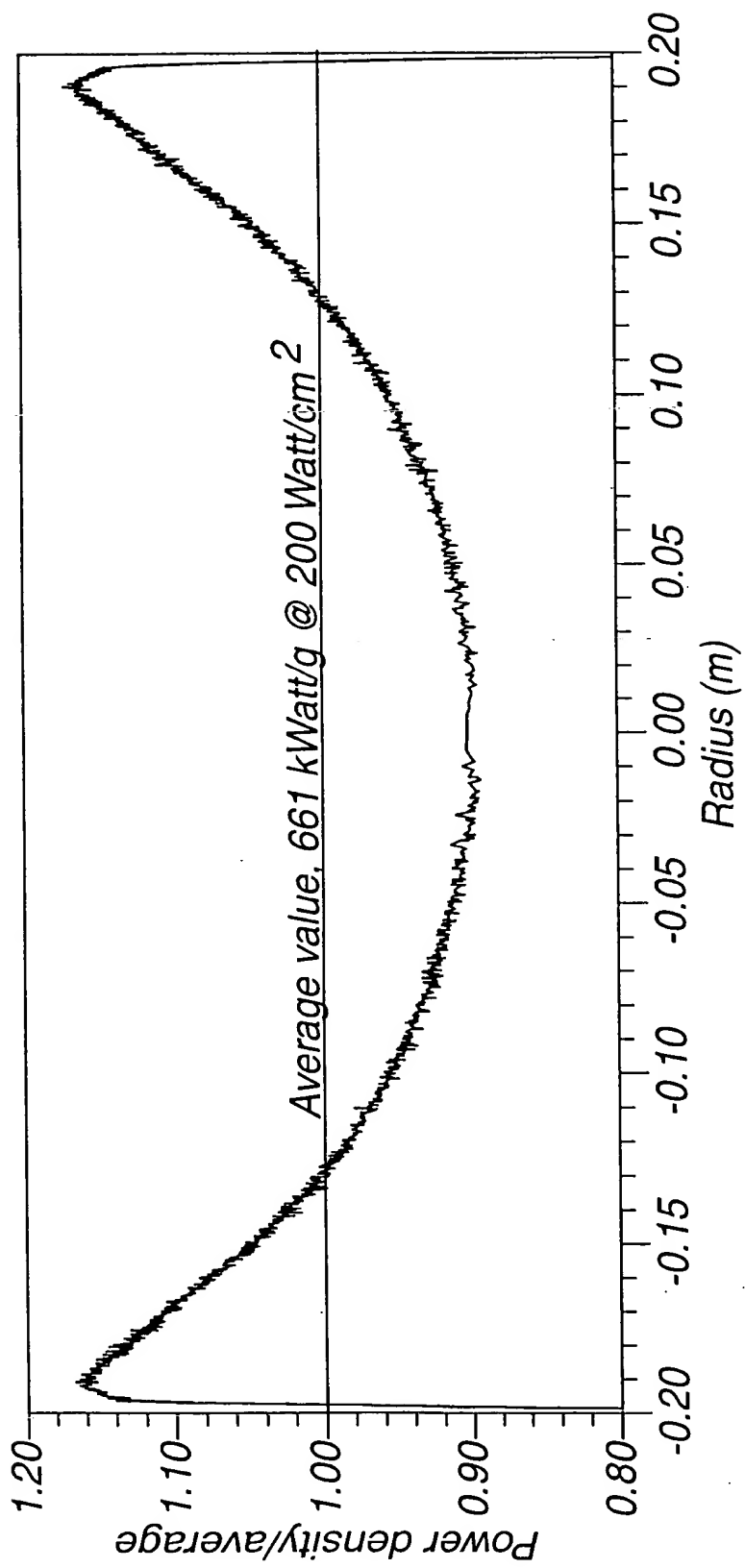


Figure 15.

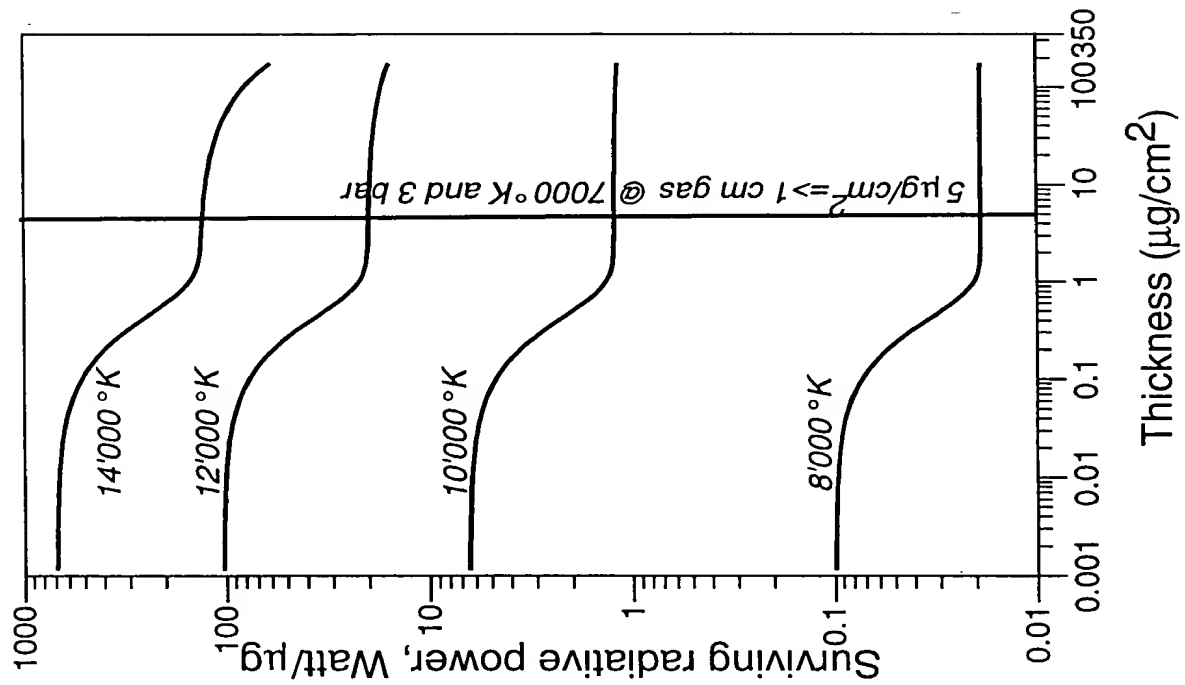


Figure 16.

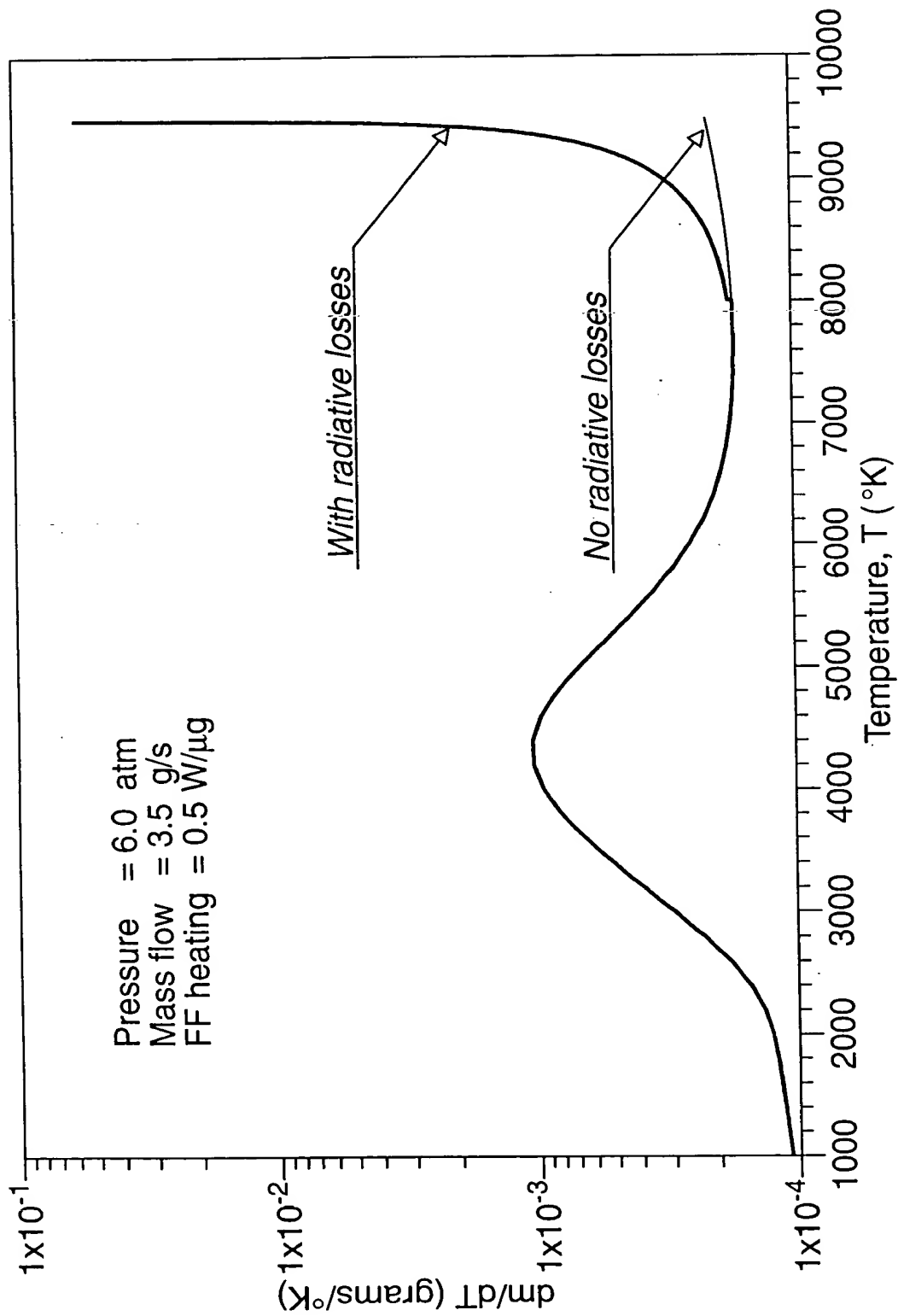


Figure 17.

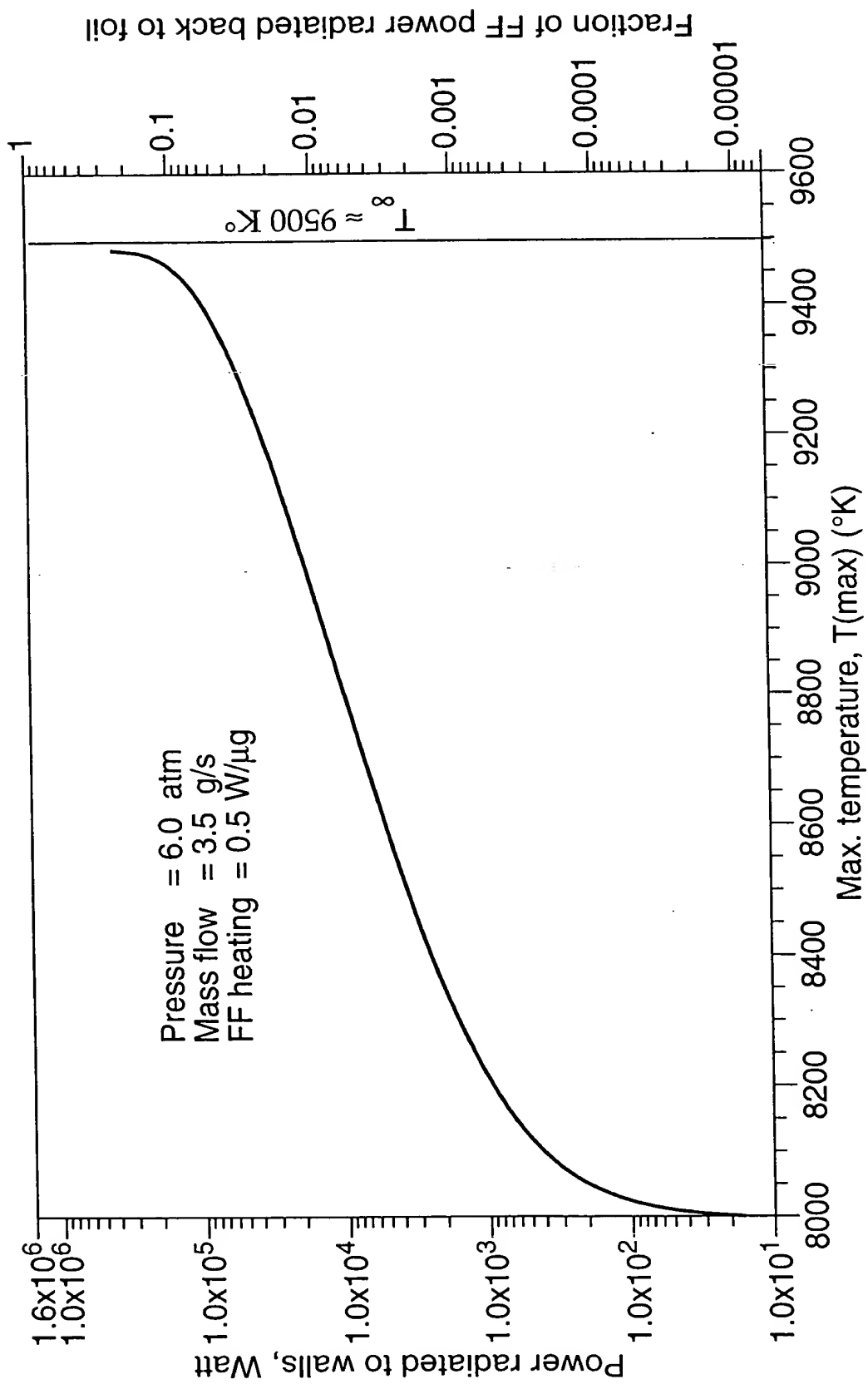


Figure 18.

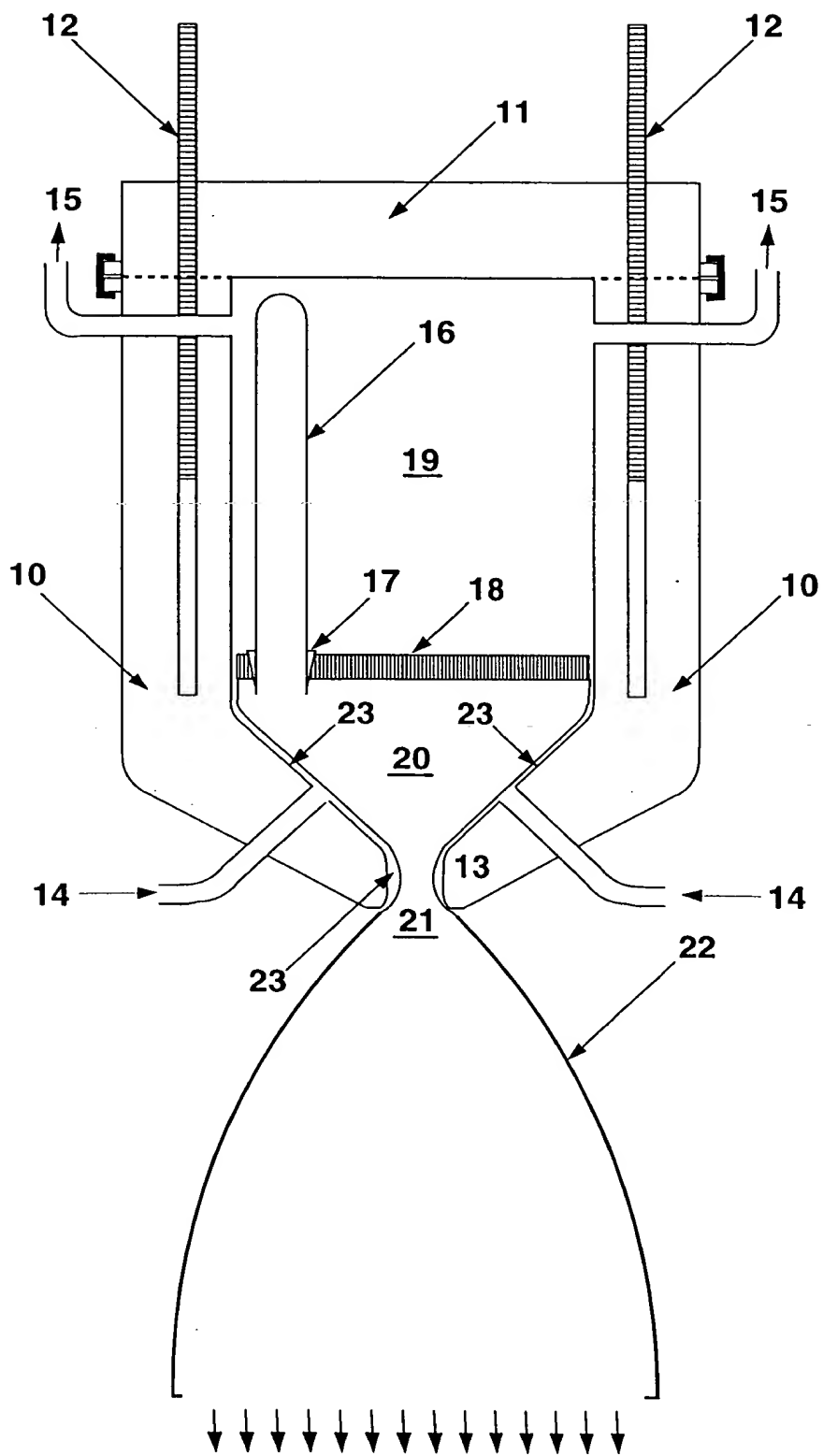


Figure 19

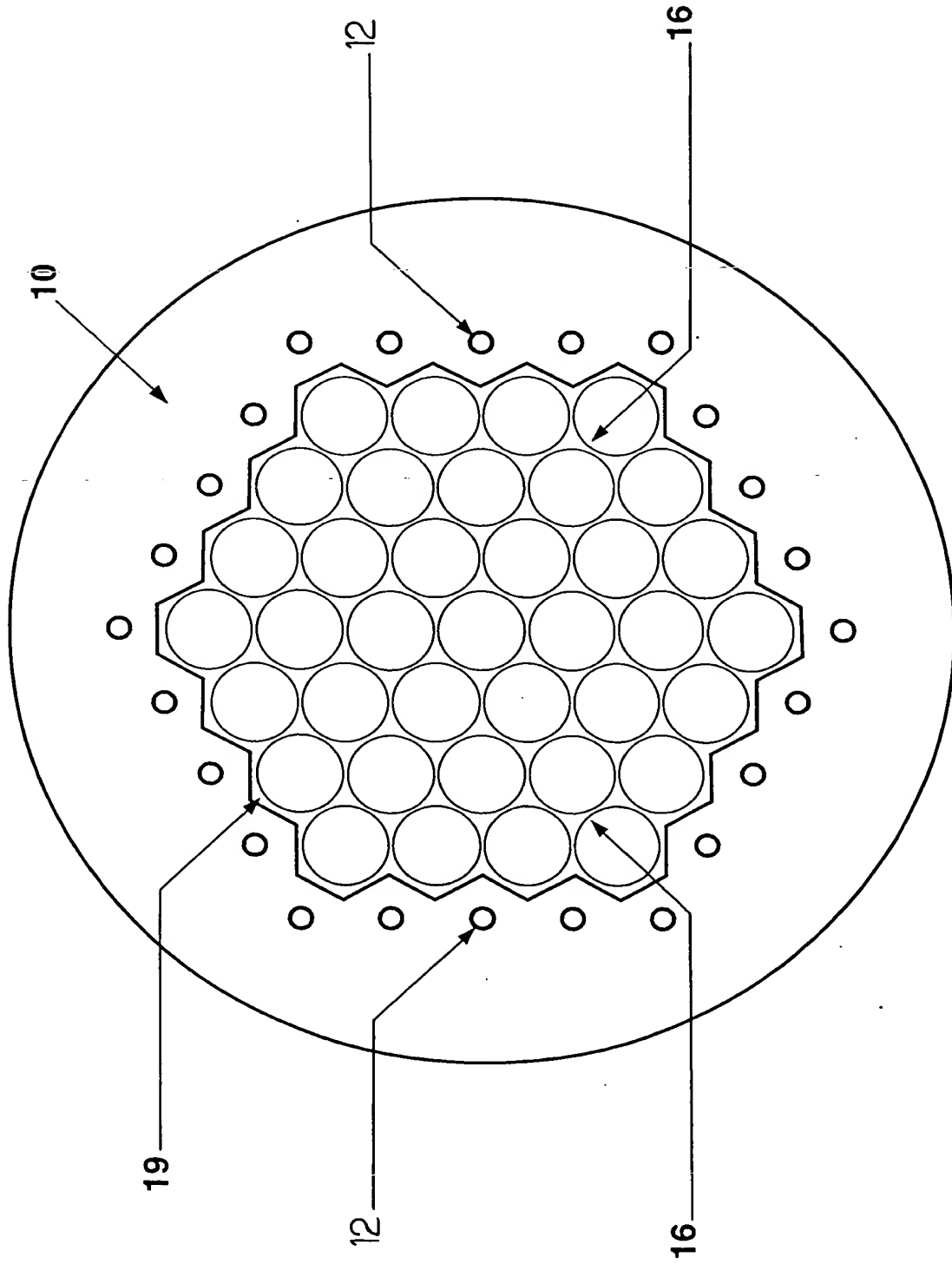


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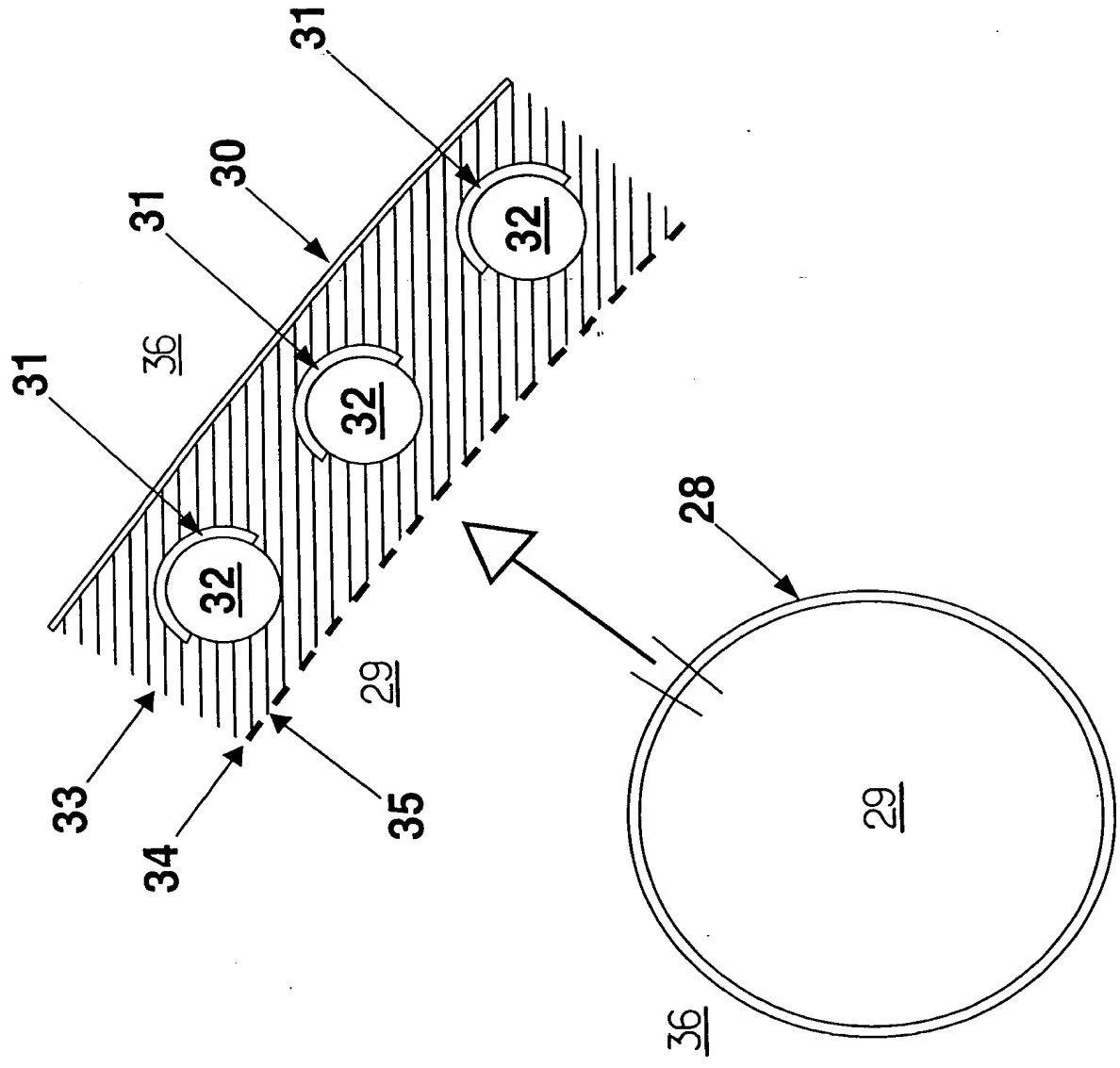


Figure 21

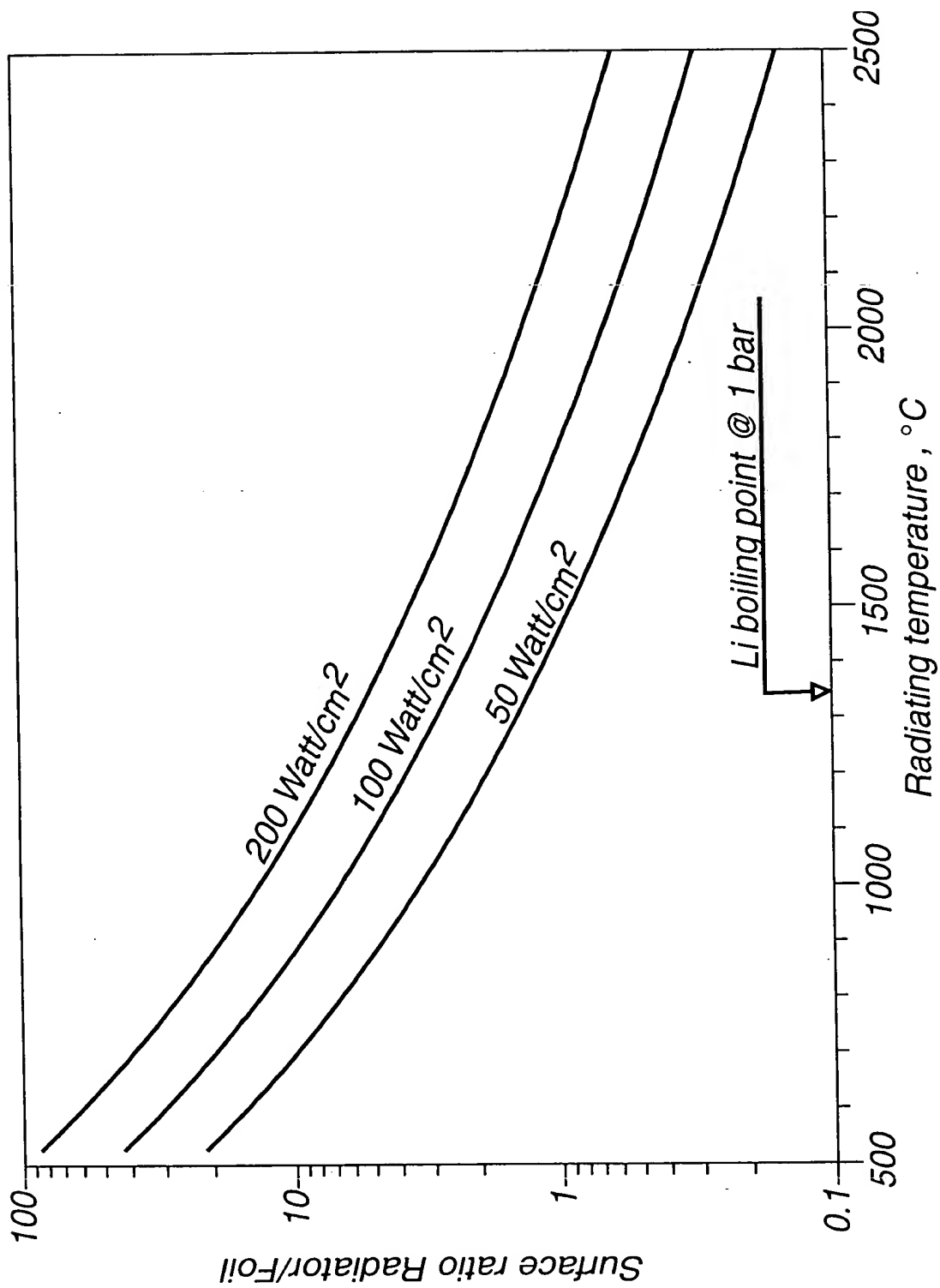


Figure 22.

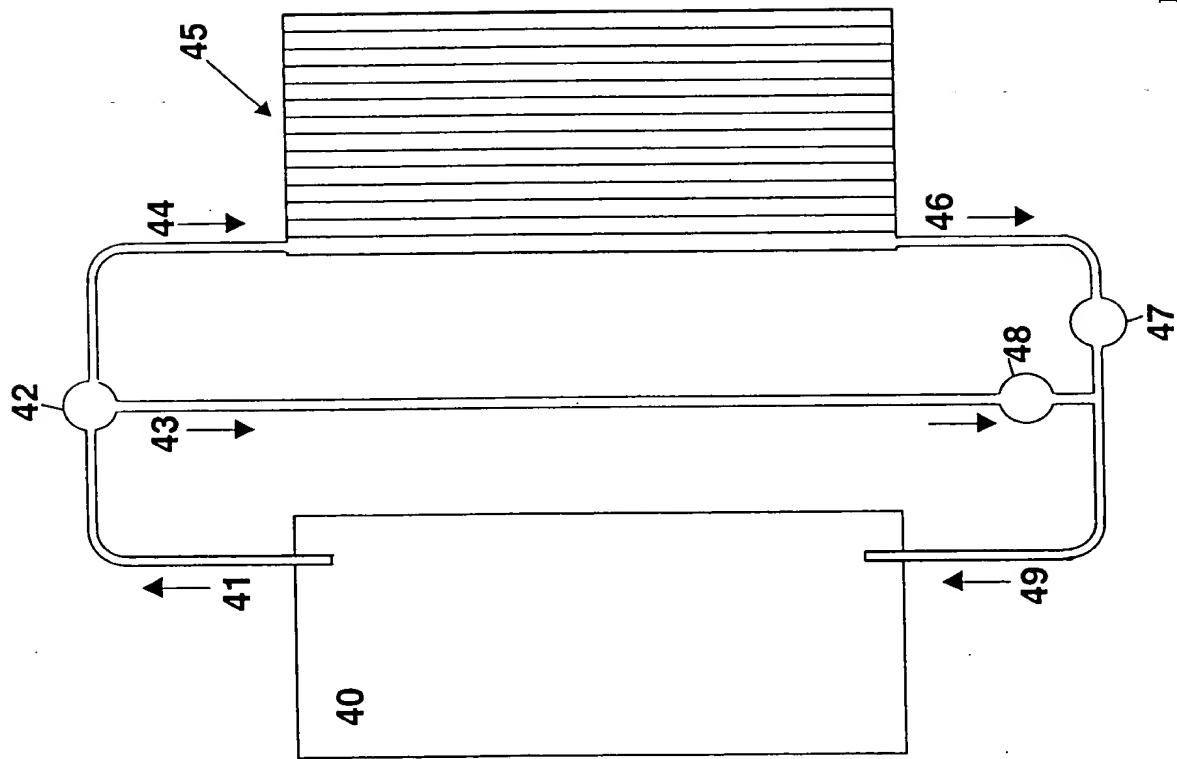


Figure 23.

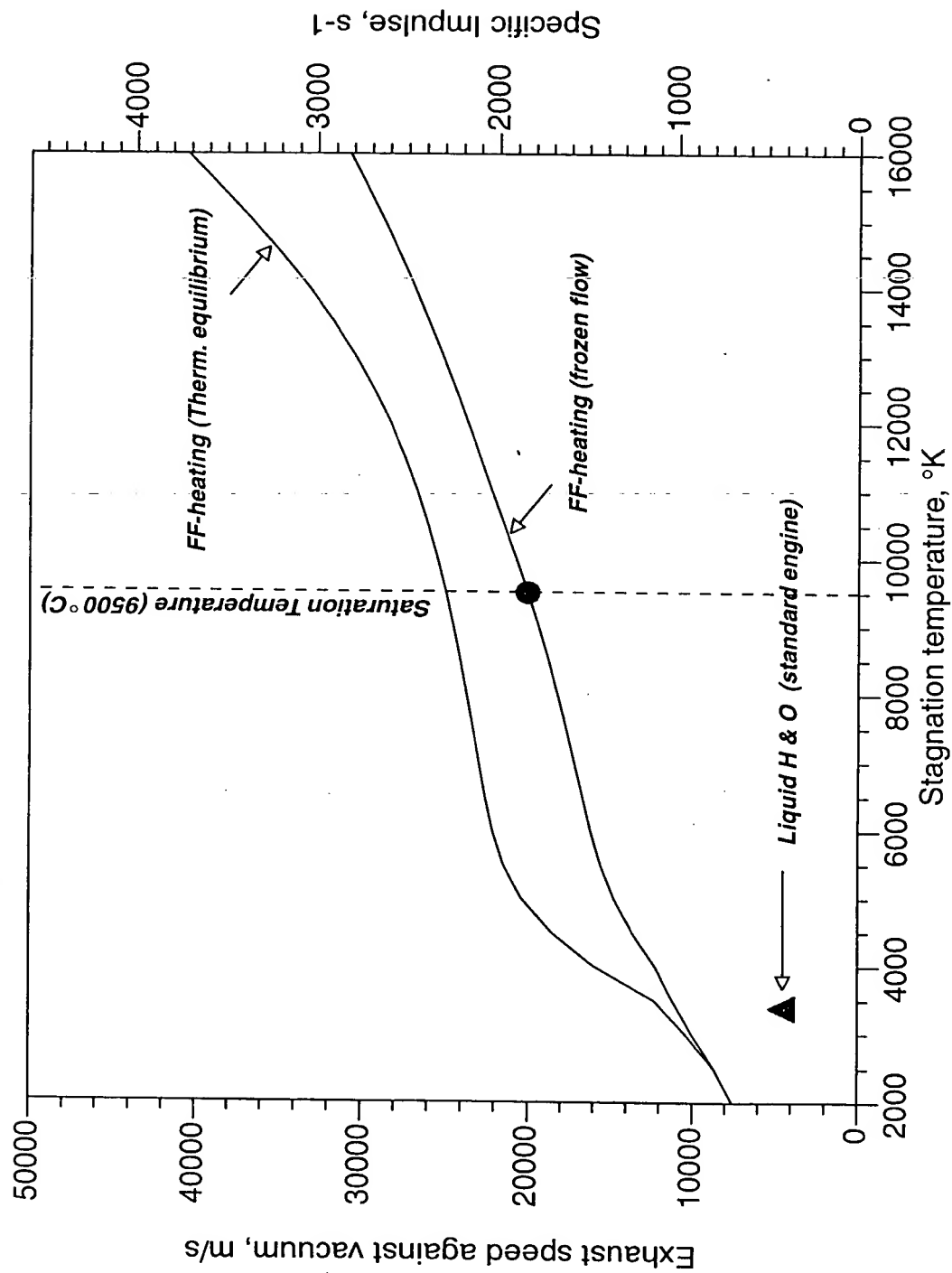


Figure 24.